

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

OIL CONS. DIV DIST. 3  
JAN 03 2018

Form C-141  
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

**Release Notification and Corrective Action**

**OPERATOR**

☐ Initial Report ☒ Final Report

Name of Company	BP America Production Company	Contact	Erin Garifalos
Address	200 Energy Court, Farmington, NM 87401	Telephone No.	(832) 609-7048
Facility Name	RIDDLE F LS 005A	Facility Type	Natural Gas Well
Surface Owner	Federal	Mineral Owner	Federal
		API No.	3004526580

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	32	28N	08W	690	South	1,000	East	San Juan
Latitude				36.61296	Longitude		-107.69904	NAD83

**NATURE OF RELEASE**

Type of Release:	none	Volume of Release:	unknown	Volume Recovered:	N/A
Source of Release:	below grade tank - 95 bbl	Date and Hour of Occurrence:	n/a	Date and Hour of Discovery:	n/a
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?	Date and Hour				
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			
If a Watercourse was Impacted, Describe Fully.*					
Describe Cause of Problem and Remedial Action Taken.* Sampling of the soil beneath the BGT was done during removal. Soil analysis resulted for Chlorides, BTEX, and TPH below BGT closure standards, except TPH. Subsequent samples were collected at 7' beneath the BGT. Closure standard for TPH for this location is 5,000 ppm. Sampling at 7' indicated the BGT meets closure standards. Field reports and laboratory results are attached.					
Describe Area Affected and Cleanup Action Taken.* No further action necessary. Final laboratory report indicates no remedial action necessary.					

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: <i>erin garifalos</i>		OIL CONSERVATION DIVISION	
Printed Name: Erin Garifalos		Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Field Environmental Coordinator		Approval Date: 1/26/18	Expiration Date:
E-mail Address: erin.garifalos@bp.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: January 2, 2018 Phone: (832) 609-7048			

\* Attach Additional Sheets If Necessary

NVF 1802649693

6

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1710F55

Date Reported: 11/2/2017

CLIENT: Blagg Engineering

Client Sample ID: 95 BGT 3-pt@7'

Project: RIDDLE F LS 5A

Collection Date: 10/30/2017 1:10:00 PM

Lab ID: 1710F55-001

Matrix: MEOH (SOIL)

Received Date: 10/31/2017 8:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CJS</b>
Chloride	58	30		mg/Kg	20	10/31/2017 12:31:05 PM	34721
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	13	9.5		mg/Kg	1	10/31/2017 10:16:19 AM	34718
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/31/2017 10:16:19 AM	34718
Surr: DNOP	84.4	70-130		%Rec	1	10/31/2017 10:16:19 AM	34718
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	20		mg/Kg	5	10/31/2017 9:12:14 AM	G46775
Surr: BFB	100	15-316		%Rec	5	10/31/2017 9:12:14 AM	G46775
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.099		mg/Kg	5	10/31/2017 9:12:14 AM	B46775
Toluene	ND	0.20		mg/Kg	5	10/31/2017 9:12:14 AM	B46775
Ethylbenzene	ND	0.20		mg/Kg	5	10/31/2017 9:12:14 AM	B46775
Xylenes, Total	ND	0.40		mg/Kg	5	10/31/2017 9:12:14 AM	B46775
Surr: 4-Bromofluorobenzene	99.0	80-120		%Rec	5	10/31/2017 9:12:14 AM	B46775

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1710F55

02-Nov-17

Client: Blagg Engineering

Project: RIDDLE F LS 5A

Sample ID	MB-34721	SampType:	mbk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	34721	RunNo:	46770					
Prep Date:	10/31/2017	Analysis Date:	10/31/2017	SeqNo:	1491953	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-34721	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	34721	RunNo:	46770					
Prep Date:	10/31/2017	Analysis Date:	10/31/2017	SeqNo:	1491954	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.6	90	110			

## Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Detection Limit  
W Sample container temperature is out of limit as specified



# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1710F55

02-Nov-17

Client: Blagg Engineering

Project: RIDDLE F LS 5A

Sample ID	LCS-34718		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 34718		RunNo: 46767					
Prep Date:	10/31/2017		Analysis Date: 10/31/2017		SeqNo: 1490982		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	93.0	73.2	114			
Surr: DNOP	4.2		5.000		84.6	70	130			

Sample ID	MB-34718		SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS		Batch ID: 34718		RunNo: 46767					
Prep Date:	10/31/2017		Analysis Date: 10/31/2017		SeqNo: 1490986		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.6		10.00		85.8	70	130			

## Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Detection Limit  
W Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1710F55

02-Nov-17

Client: Blagg Engineering

Project: RIDDLE F LS 5A

Sample ID <b>RB</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>G46775</b>		RunNo: <b>46775</b>							
Prep Date:	Analysis Date: <b>10/31/2017</b>		SeqNo: <b>1491516</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		100	15	316			

Sample ID <b>2.5UG GRO CCV</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>G46775</b>		RunNo: <b>46775</b>							
Prep Date:	Analysis Date: <b>10/31/2017</b>		SeqNo: <b>1491517</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	75.9	131			
Surr: BFB	1100		1000		110	15	316			

## Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Detection Limit  
W Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1710F55

02-Nov-17

Client: Blagg Engineering

Project: RIDDLE F LS 5A

Sample ID	RB	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	B46775	RunNo:	46775					
Prep Date:		Analysis Date:	10/31/2017	SeqNo:	1491539	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		100	80	120			

Sample ID	100NG BTEX LCS	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	B46775	RunNo:	46775					
Prep Date:		Analysis Date:	10/31/2017	SeqNo:	1491540	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.5	77.3	128			
Toluene	0.97	0.050	1.000	0	97.0	79.2	125			
Ethylbenzene	0.96	0.050	1.000	0	96.3	80.7	127			
Xylenes, Total	2.9	0.10	3.000	0	96.7	81.6	129			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

## Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Detection Limit  
W Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: www.hallenvironmental.com

## Sample Log-In Check List

Client Name: **BLAGG**

Work Order Number: **1710F55**

RcptNo: **1**

Received By: **Richie Eriacho** 10/31/2017 8:15:00 AM

Completed By: **Sophia Campuzano** 10/31/2017 8:51:16 AM

Reviewed By: **ENH** 10/31/17

*[Handwritten signature]*  
*[Handwritten signature]*

### Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒  
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐  
3. How was the sample delivered? Courier

### Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐  
5. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐  
6. Sample(s) in proper container(s)? Yes ☒ No ☐  
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐  
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐  
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐  
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒  
11. Were any sample containers received broken? Yes ☐ No ☒  
12. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐  
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐  
14. Is it clear what analyses were requested? Yes ☒ No ☐  
15. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH: \_\_\_\_\_  
( $<2$  or  $>12$  unless noted)  
Adjusted? \_\_\_\_\_  
Checked by: \_\_\_\_\_

### Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:	_____	Date:	_____
By Whom:	_____	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

17. Additional remarks:

### 18. Cooler Information

Cooler No.	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No.	Seal Date	Signed By
1	1.4	Good	Yes			



<b>Chain-of-Custody Record</b>		Turn-Around Time: <b>SAME DAY</b>
Client: <b>BLAGG ENGR. / BP AMERICA</b>	<input type="checkbox"/> Standard	<input checked="" type="checkbox"/> Rush
Mailing Address: <b>P.O. BOX 87</b>	Project Name: <b>RIDDLE F LS # 5A</b>	
<b>BLOOMFIELD, NM 87413</b>	Project #: _____	
Phone #: <b>(505) 632-1199</b>	Project Manager: <b>JEFFREY C. BLAGG</b>	
email or Fax#: _____	Sampler: <b>JEFFREY C. BLAGG</b>	
QA/QC Package:	On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)	Sample Temperature: <b>54</b>	
Accreditation:		
<input type="checkbox"/> NELAP <input type="checkbox"/> Other _____		
<input type="checkbox"/> EDD (Type) _____		

**SAME  
DAY**

☐ Standard ☒ Rush

Project Name:

**RIDDLE F LS # 5A**

Project #:

Project Manager:

**JEFFREY C. BLAGG**

**Sampler: JEFFREY C. BLAGG**

On Ice ☒ Yes ☐ No

Sample Temperature: 64

[illegible]

Date: 10/30/17	Time: 1636	Relinquished by: Jeff Blagg	Received by: [Signature]	Date 10/30/17	Time 1636
Date: 10/30/17	Time: 2040	Relinquished by: [Signature]	Received by: [Signature]	Date 10/31/17	Time 1815

Remarks:	<b>BILL DIRECTLY TO BP USING THE CONTACT WITH CORRESPONDING &amp; REFERENCE # WHEN APPLICABLE;</b>
----------	--

CONTACT: ERIN GARIFALOS / VANCE HIXON  
VID: VHIXONEVRM

Reference # P - 856



## HALL ENVIRONMENTAL ANALYSIS LABORATORY

[www.hallenvironmental.com](http://www.hallenvironmental.com)

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

## Analysis Request

[illegible]